Network Working Group
Request for Comments 717
NIC 35873

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Assigned Network Numbers

This note specifies the numbers assigned to identify networks for use in the inter-network protocol experiments. Additional numbers are assigned by Jon Postel [POSTEL@ISIC or (415) 326 -6200 x3718].

Assigned Network Numbers

Name	Decimal	Octal
BBNRCCnet	3	3
SanFranPRnet	7	7
ARPANET	10	12
BostonPRnet	11	13

Internetwork Header Format

For convenience the current Internetwork protocol header and TCP headers are reproduced here:

Octet	Bit	Use	(Width)
--- Beginning of protocol-independent information ---			
0		Destination net	(8)
1-3		Destination host	(24)
4		Source net	(8)
5-7		Source host	(24)
8-9		Data length in octets	(16)
10		Header length in octets	(8)
11	0-3	Format	(4)

This field selects the appropriate gateway processing and is used to dispatch the packet to the appropriate protocol module in the destination. The following values are defined for this field:

0 -- Escape: protocol is specified by a subsequent field
1 -- TCP
2 -- Secure TCP
3-16 -- Not allocated
17 -- Cross internet debugging

--- End of protocol-independent information ---

--- Beginning of TCP specific information ---

11	4-7	Protocol version	(4)
12-15		Sequence number	(32)
16-17		Window	(16)
18-20		Control (as before)	(24)
21-23		Destination port	(24)
24		Packet label for debugging	(8)
25-27		Source port(24)	
28-31		Acknowledgement number	(32)
32-33		Checksum	(16)
34-		Data	

--- End of TCP specific information ---

--- Beginning of short TCP specific information ---

11	4-7	Protocol Version	(4)
12-15		Sequence number	(32)
16		Destination KID	(8)
17		Source KID	(8)
18-19		Control (no special function field)	(16)
20-		Data	

--- End of short TCP specific information ---